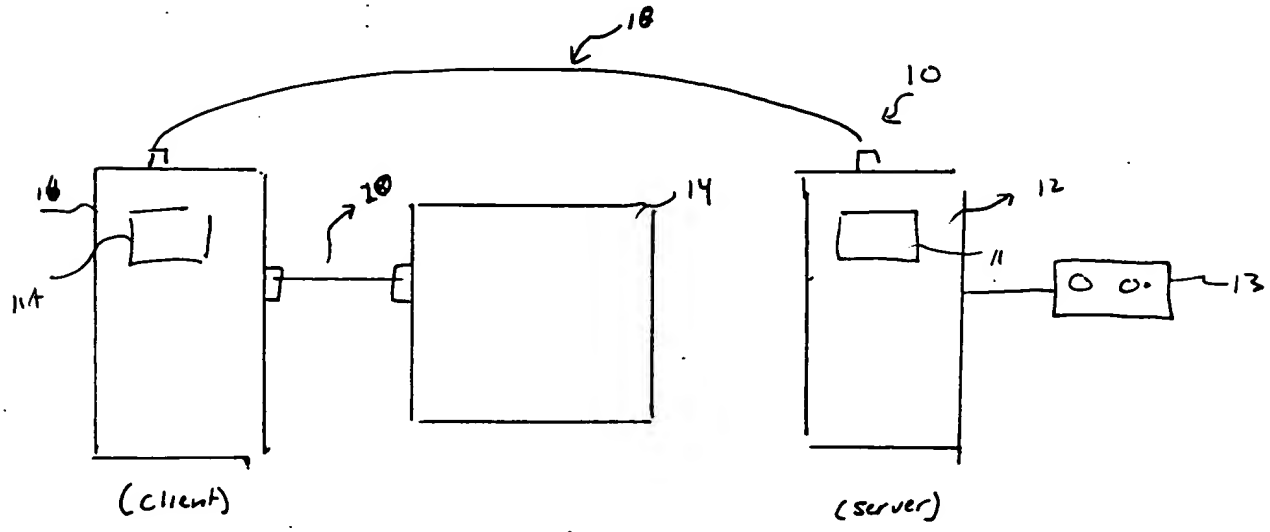

Fig 1

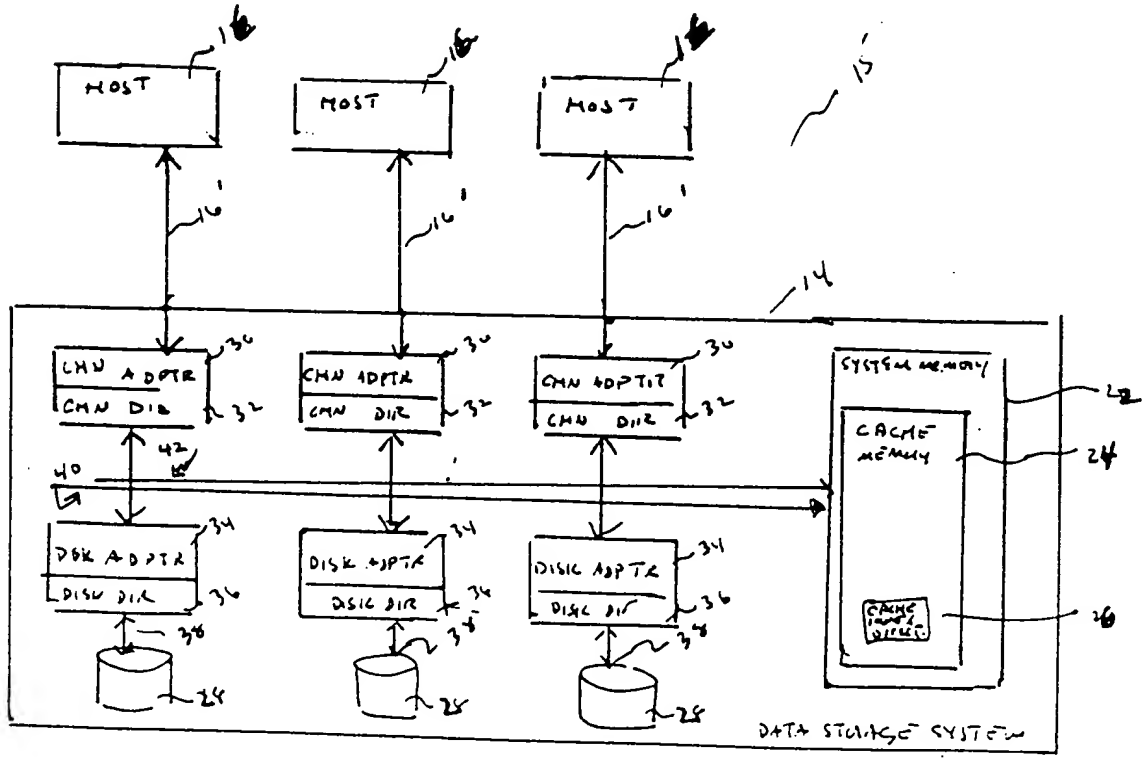
HOST
HOST
HOST
16'
16'
16'
18
14
CHN ADPTR
CHN DIR
CHN ADPTR
CHN DIR
CHN ADPTR
CHN DIR
30
32
42
40
DSK ADPTR
DISK DIR
DISK ADPTR
DISK DIR
DISK ADPTR
DISK DIR
34
36
38
25
SYSTEM MEMORY
CACHE MEMORY
CACHE MGMT DIR.
22
24
26
DATA STORAGE SYSTEM

Fig 2

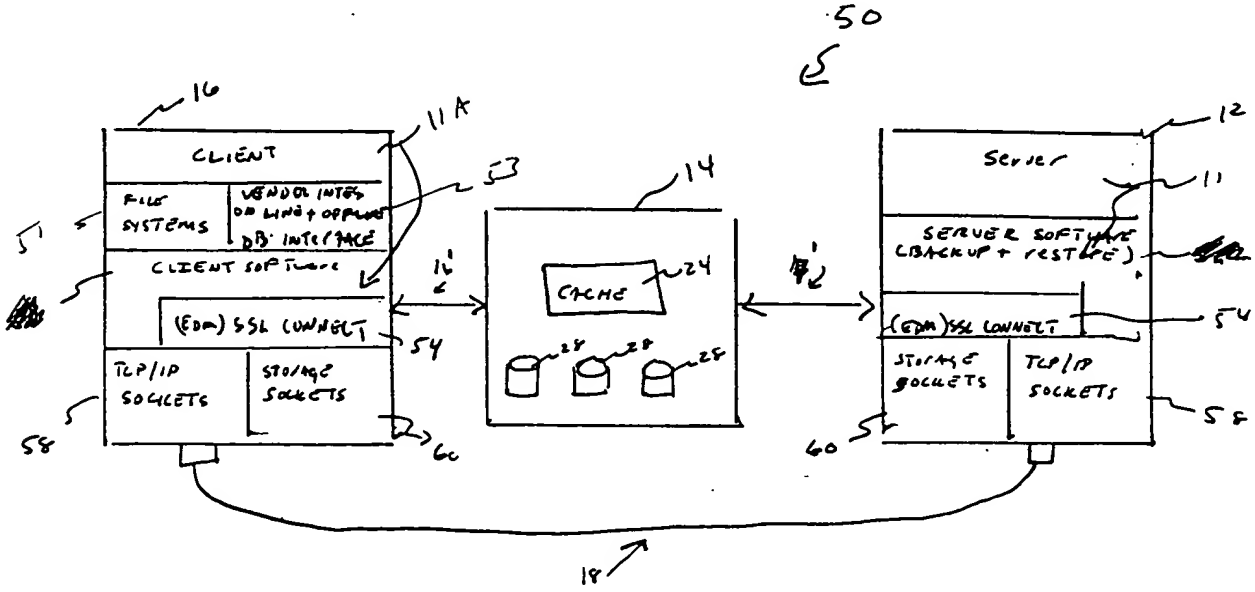
50
16
11A
CLIENT
FILE SYSTEMS
VENDOR INTER
DB INTERFACE
CLIENT SOFTWARE
(EDM) SSL CONNECT
54
TCP/IP SOCKETS
STORAGE SOCKETS
58
60
14
CACHE
24
26
26
26
12
Server
11
SERVER SOFTWARE
(BACKUP + RESTORE)
(EDM) SSL CONNECT
54
STORAGE SOCKETS
TCP/IP SOCKETS
58
60
18

Fig 3

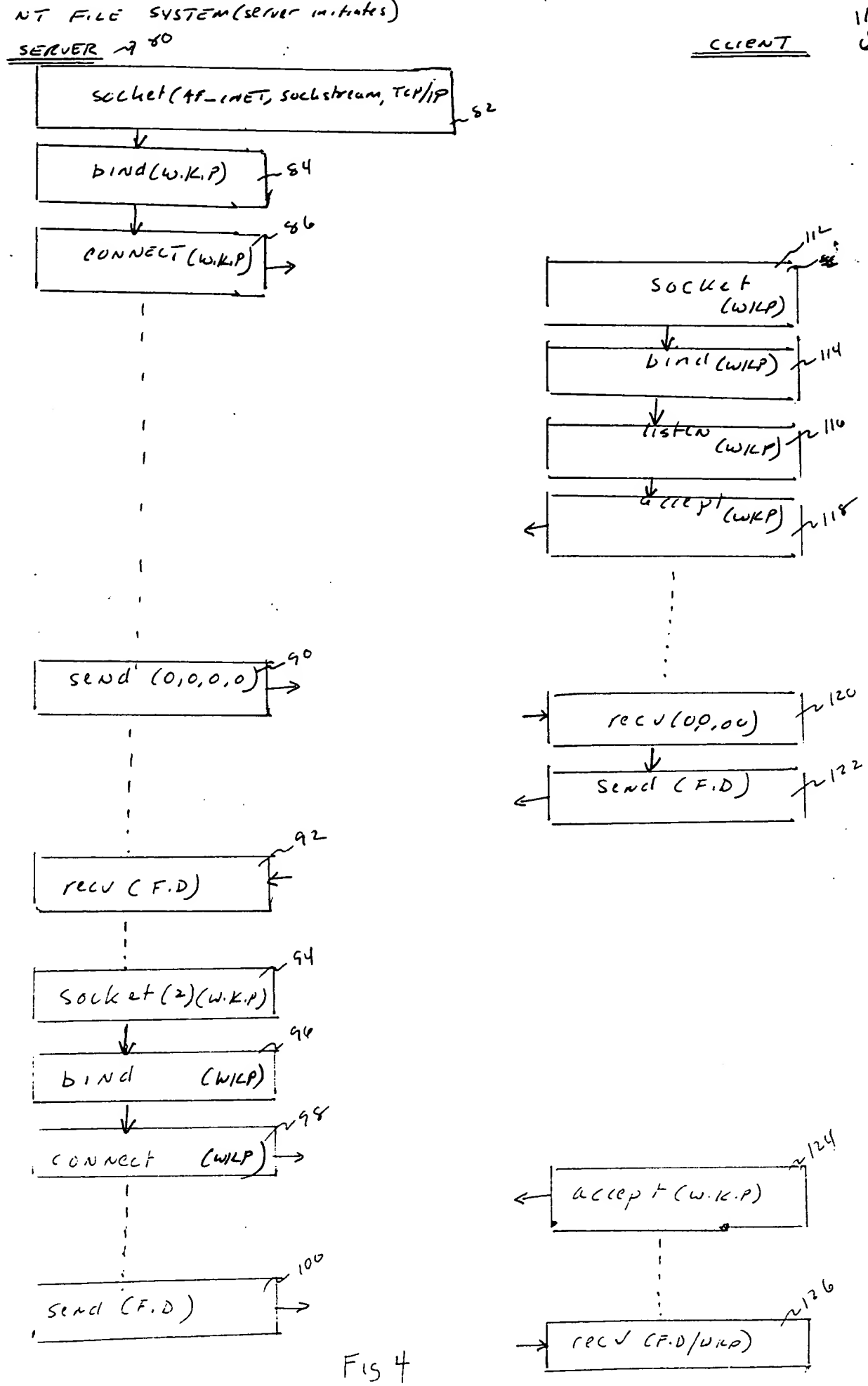
NT FILE SYSTEM (server initiates)
SERVER
80
socket (AF_INET, SOCK_STREAM, TCP/IP
82
bind (W.K.P)
84
CONNECT (W.K.P)
86
send (0,0,0,0)
90
recv (F.D)
92
socket (2) (W.K.P)
94
bind (W/LP)
96
CONNECT (W/LP)
98
send (F.D)
100
CLIENT
110
socket (W/LP)
112
bind (W/LP)
114
listen (W/LP)
116
accept (W/KP)
118
recv (0,0,0,0)
120
send (F.D)
122
accept (W.K.P)
124
recv (F.D/W/LP)
126

Fig 4

NT FILE SYSTEM - SERVER INITIATES (SSL)

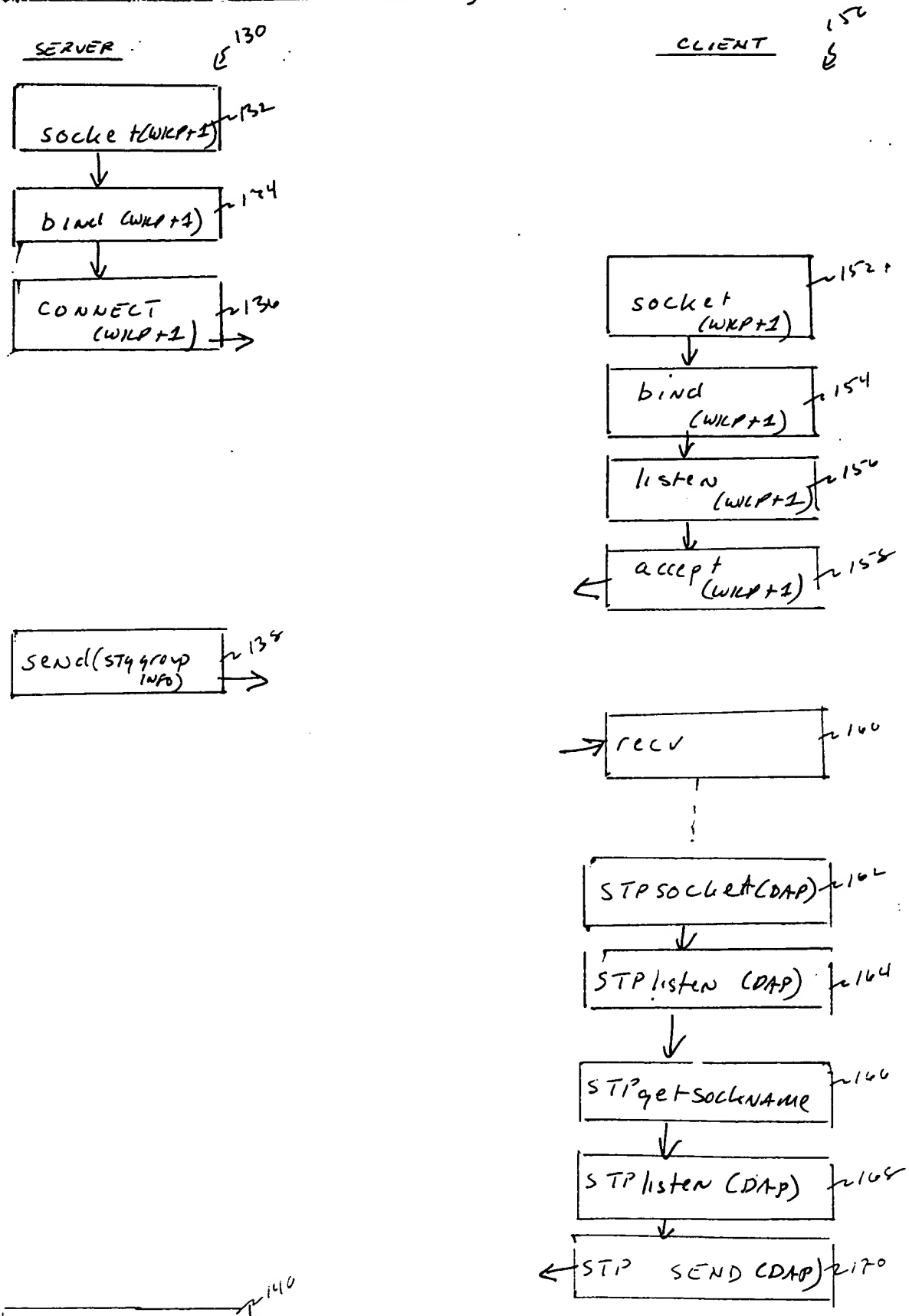

Fig 4A

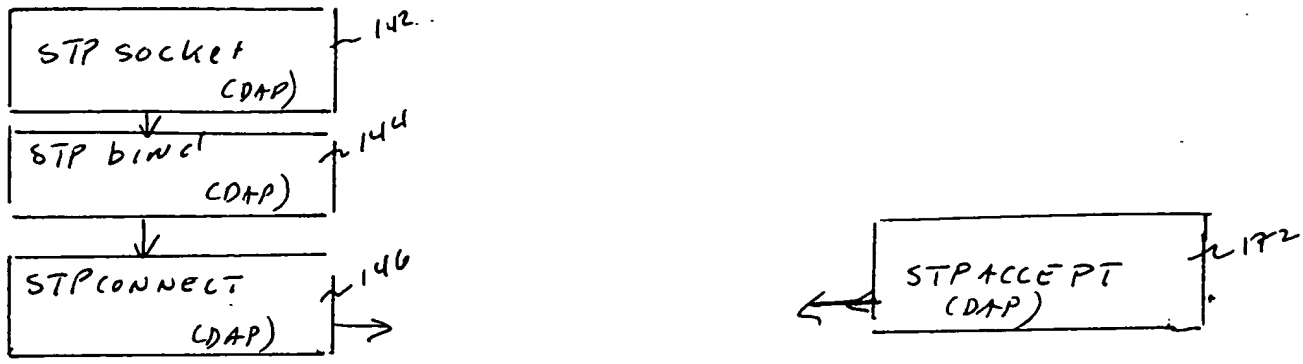

Fig. 4A (continued)

Database (client states)

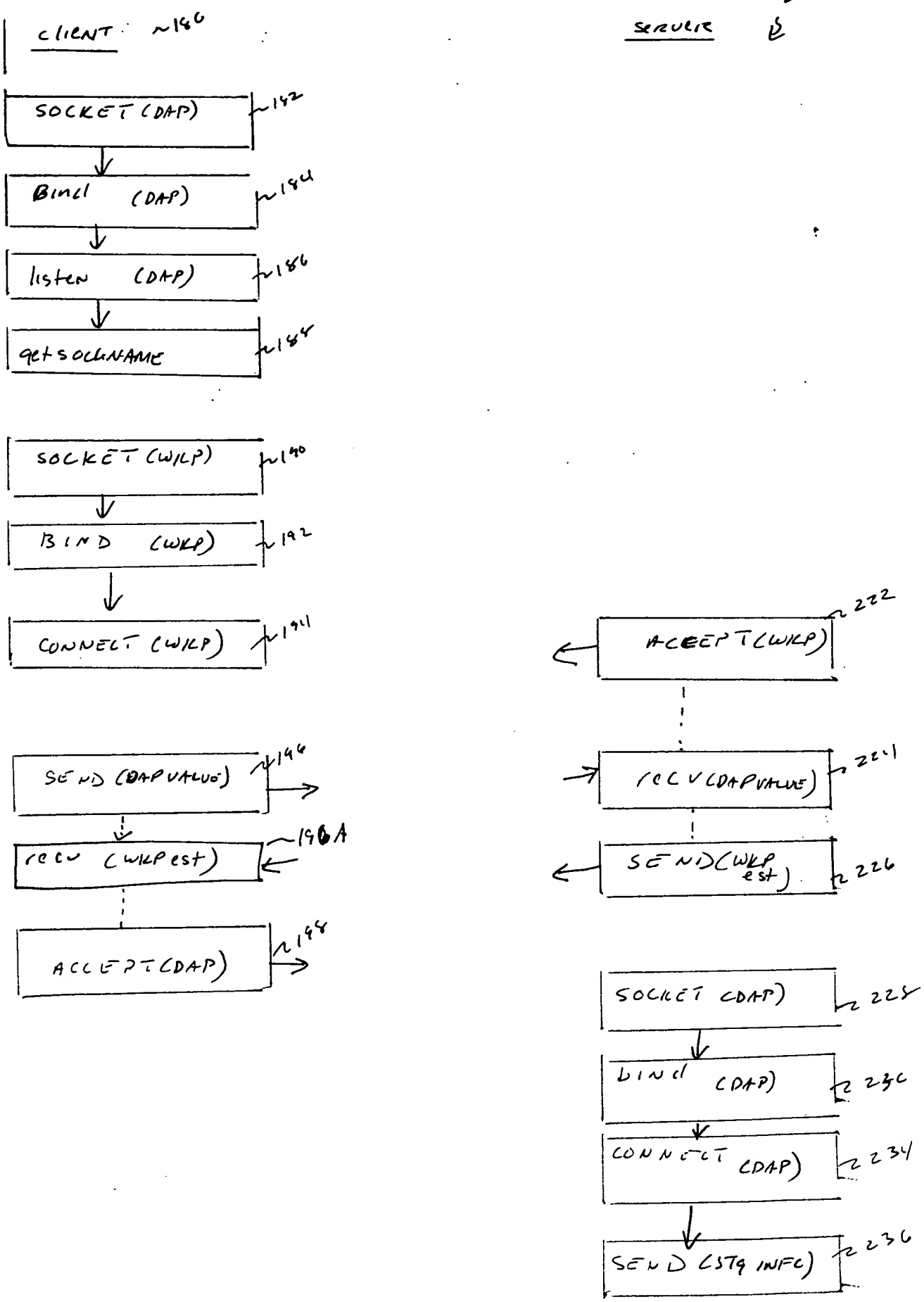

Fig 5

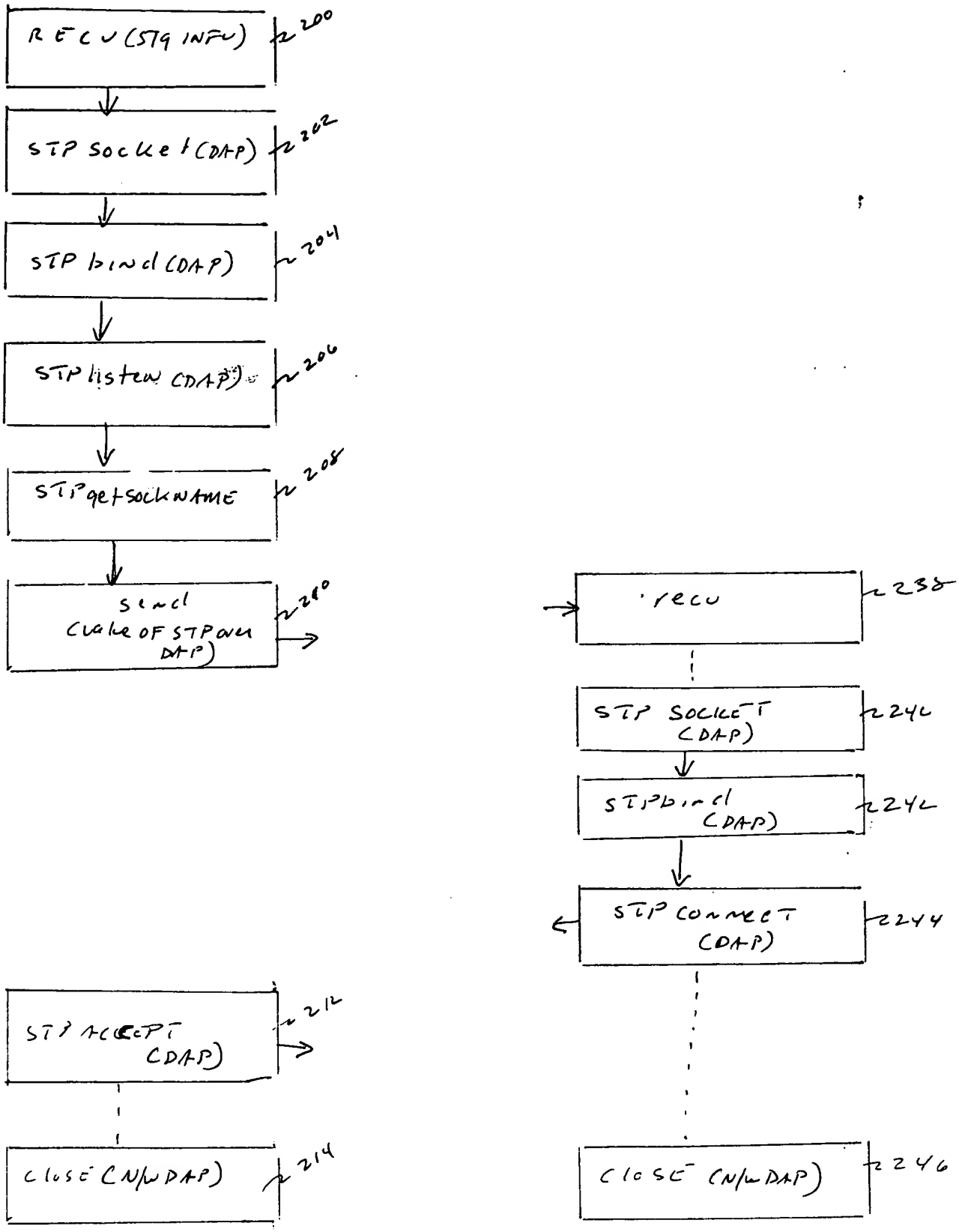

Fig 5 (continued)